AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended) A method of improving turf conditions to improve plant growth over a specified area of soil, using a mechanized aerator unit, comprising the steps of:

cleaning the mechanized aerator unit;

aerating the soil of the specified area by punching uniform holes of a given diameter ~~and~~, depth and relative spacing in a uniform pattern in the specified area using the mechanized aerator unit, said diameter, depth and relative spacing being a function of the soil condition;

applying a selected granular aggregate over the specified area to at least partially fill the aerating uniform holes using a vehicle which dispenses the selected granular aggregate uniformly;

applying soil amendments over the selected area using a vehicle which dispenses the soil amendments uniformly; and

smoothing the selected area using a drag mat to even the distribution of the applied selected granular aggregate and cause the surface of the selected area to have a smooth appearance.

Claim 2 (Original) The method according to claim 1 and including the additional step of moistening the area with water before aerating the soil.

Claim 3. (Previously presented) The method according to claim 1 wherein the granular aggregate is sand.

Claim 4. (Previously presented) The method according to claim 2 wherein the soil amendments include compost.

Claim 5. (Previously presented) The method according to claim 2 wherein the soil amendments include fertilizer.

Claim 6. (Previously presented) The method according to claim 2 wherein the soil amendments include compost and fertilizer.

Claim 7. (Previously presented) The method according to claim 1 wherein a mycorrhizal fungus is applied before the application of the granular aggregate.

Claims 8 - 13 (Cancelled).

14. (New) The method according to claim 1 wherein the soil condition comprises one of: heavy clay - clean; heavy clay - sandy; sandy loam; sand; loam; topsoil - clean; all soils - containing rock; and all soils - lightly compacted.